

### **ENVIRONMENTAL COMPLIANCE** SERVICES, INC.

December 16, 1997 Job # 40053

Mr. Chuck Schwer, Supervisor Sites Management Section Waste Management Division, VT DEC 103 South Main Street/West Office Waterbury, VT 05671-0404

Re: Horseshoe Acres Campground, Andover DEC Site # 97-2141

Dear Mr. Schwer:

On behalf of Mr. Gary Hale of Horseshoe Acres Campground, Environmental Compliance Services, Inc. (ECS) is presenting you with the Environmental Subsurface Investigation Report for the site. Mr. Hale will also receive a copy of this report.

If there are any questions regarding this letter please do not hesitate to contact me at (802) 257-1195.

Sincerely,

ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Bruce E. Tease, Ph.D.

Senior Project Manager/Scientist

PHASE	ТУРЕ
■ Subsurface Investigation Report  □ Corrective Action Feasibility Investigation □ Corrective Action Plan □ Corrective Action Summary Report □ Operations and Monitoring Report	☐ Work Scope ■ Technical Report ☐ PCF Reimbursement Request ☐ General Correspondence

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# ENVIRONMENTAL SUBSURFACE INVESTIGATION REPORT

# HORSESHOE ACRES CAMPGROUND WESTON-ANDOVER ROAD ANDOVER, VERMONT

### FOR

Mr. Gary Hale Horseshoe Acres Campground Box 206 RD-1 Andover, Vermont 05143

by

Environmental Compliance Services, Inc. 157 Old Guilford road #6 Brattleboro, VT 05301 (802)257-1195 Contact: Bruce Tease, Ph.D.

December 15, 1997

ECS, Inc. Job# 40053

### **Executive Summary**

On January 9, 1997 a 2,000 gallon gasoline Underground Storage Tank (UST) was removed from Horseshoe Acres Campground under the direction of ERD Environmental, Inc. of Brattleboro, VT. Contaminated soils were encountered below groundwater at the west end of the excavation pit with more significant levels of contamination present around the tank pump line check valve at the top of the tank. Head space screening of soils for volatile organic compounds (VOCs) revealed levels from 9 to 407 ppm of VOCs in the tank pit area.

On May 7, 1997, ERD supervised the installation of three monitoring wells ranging in depth from eight to thirteen feet. Samples were collected from the three wells, including the on-site drinking water well, on June 3, 1997 and tested for the presence of VOCs via EPA Method 8020 by Alpha Analytical Laboratories of Westborough, Massachusetts. No VOCs were detected in any of the well.

The 123 site campground is surrounded by undeveloped land. Two surface water bodies are located on the site. The Andover Brook flows through the site in a south-southeasterly direction. A pond is located on the western portion of the site. The site and subject area are serviced by private water supply wells. Depth to groundwater ranged from approximately 6 to 9 feet in the groundwater monitoring wells on June 3, 1997. Groundwater flow was estimated to be in an easterly direction.

In August of 1997, ERD closed its Brattleboro office, and personnel from that office now staff the Brattleboro office of Environmental Compliance Services, Inc. (ECS). This report has been prepared by ECS on behalf of Gary Hale of Horseshoe Acres Campground. Based on information obtained from the UST closure report and the placement of the existing monitoring wells, ECS recommends an additional soil boring and monitoring well be placed within the former UST pit. Soil samples shall be screened for VOCs and a full round of groundwater samples should be collected from the on-site monitoring and drinking water wells for analysis of Total Petroleum Hydrocarbons and VOCs.

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### 1. Introduction

This Subsurface Investigation Report was prepared by Environmental Compliance Services, Inc. (ECS) on behalf of Gary Hale of Horseshoe Acres Campground located in Andover, Vermont. Information presented in this report is based on fieldwork conducted by ERD Environmental, Inc., which has since closed its Brattleboro office. Former ERD employees now staff the Brattleboro office of ECS..

### 2. Site History

The subject property exists at an elevation of approximately 1300 feet above mean sea level (see Site Location Map in Appendix A). The 123 site campground is surrounded by undeveloped land. Two surface water bodies are located on site. The Andover Brook flows through the site in a south-southeasterly direction. A pond is located on the western portion of the site. The area is served by private water supply wells. In addition to the on-site drinking water well, there is one well located across the street from the site. The Andover Brook is located topographically downgradient approximately 660 feet from the site.

On January 9, 1997 a 2,000 gallon gasoline UST was removed from the site under the direction of ERD personnel. The soils in the tank pit were a sand, gravel, and cobble mixture. Groundwater was encountered at a depth of approximately seven feet. The tank and piping were in good condition, however contaminated soils were encountered below groundwater at the west end of the excavation pit with more significant levels of contamination present around the tank pump line check valve at the top of the tank. Soils were screened with a Thermo Environmental Model 580B Organic Vapor Meter (OVM) for the presence of Volatile Organic Compound (VOC) concentrations using a bag headspace screening protocol. The levels of contamination exceeded state standards established by the VT DEC. Levels ranged from 9 to 407 ppm in the area of the release. A tank closure report was submitted to the VT DEC, which resulted in the request for subsurface investigations to assess the extent and degree of petroleum contamination in soil and/or groundwater at the site.

### 3. Subsurface Investigations

On May 7, 1997 three monitoring wells were installed in the tank pit vicinity in order to sample the groundwater for the presence of VOCs. Silt, sand and cobbles were encountered during the advancement of the monitoring well soil borings. No VOCs were detected in the split spoon soil samples screened. Monitoring well logs are presented in Appendix B.

On June 3, 1997 the three monitoring wells, and the on-site drinking water well, were sampled for VOCs via EPA Method 8020 by Alpha Analytical Laboratories of Westborough, Massachusetts. No VOCs were detected. See Laboratory Data Sheets and Chain of Custody Statements in Appendix C. Depth to groundwater was measured in all groundwater monitoring wells on June 3, 1997. The readings, which ranged from 6.07 feet

to 8.81 feet, were taken from the top of the PVC well head. Groundwater elevations and top of PVC well head are presented below in feet.

### Groundwater Potentiometric Chart for 6/3/97

Well	MW-1	MW-2	MW-3
Top of PVC	98.12	98.38	95.37
Depth to groundwater	6.94	8.81	6.07
Groundwater Elevation	91.18	89.57	89.30

A groundwater potentiometric map was constructed based on the above information. The map which indicates that groundwater flow is in an easterly direction, is presented in Appendix D.

### 4. Conclusions and Recommendation

Conclusions and recommendation of ECS are based on the premise that all information obtained during the subsurface investigations conducted by ERD is accurate. Conditions may change with time necessitating possible re-evaluation of certain conclusions and recommendations.

### 4.1 Conclusions

- 1) Three groundwater monitoring wells were installed surrounding the former UST grave. Depth to groundwater in June of 1997 varied from approximately 6 to 9 feet with groundwater flowing in an easterly direction.
- 2) Groundwater samples collected from the monitoring wells and the on-site drinking water well indicated the absence of VOCs tested for including MTBE.

### 4.2 Recommendations

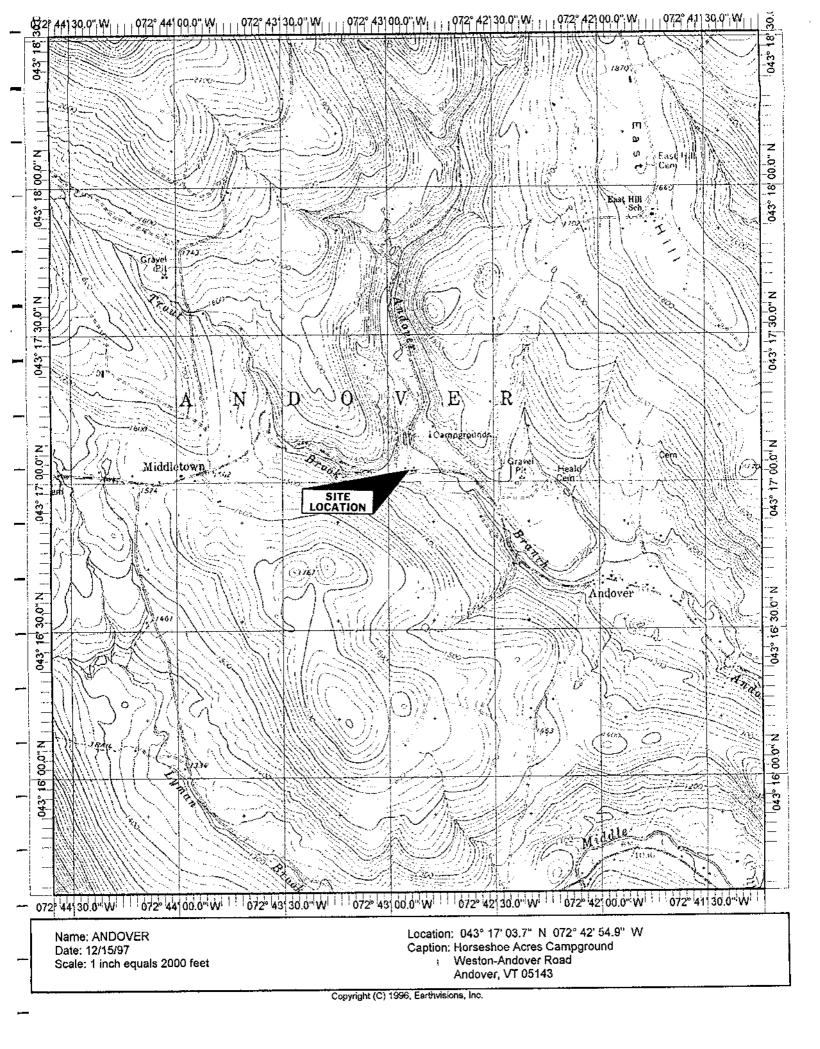
1) Due to substantial soil contamination detected during the removal of the UST by ERD and the distance which the wells were installed from the former UST grave, ECS recommends the installation of a monitoring well within the former UST pit to evaluate soil

and groundwater conditions. A low profile drill rig should be used to install the well due to the close proximity of overhead utility lines to the former UST grave.

- 2) A full round of groundwater samples should be collected from the on-site monitoring and drinking water wells for analysis of Total Petroleum Hydrocarbons (TPH) via EPA Method 8100M and VOCs via EPA Method 8020 plus MTBE.
- 3) A summary report should be prepared including the analytical results, updated groundwater potentiometric map, conclusions and recommendations.

APPENDIX A

Site Location Map



# APPENDIX B

**Monitoring Well Construction Logs** 

### ERD Environmental, Inc. SOIL BORING/MONITORING WELL CONSTRUCTION LOG

Project #:970305 Date: 5/7/97 Project Name; Horseshoe Acres Location: Andover, UT Driller: T+K Dalling ERD Personnel: David Balk Boring/Well #: Sheet of				res		# tonse	SITE LOCUS  2.5 M 19.1 TANK PIT!  DRIVE	OFFICE
Depth	***************************************	Blow 6-12	Counts 12-18	18-24	Rec. (in.)	OVM (ppm)	Soil Characterization	As Büilt Diagram
0-2					GRAB	0	DARN BROWN SILT, SAND, AND COBBLES	2.0 SEAL RISER 2.5 3.0 SAND RALEN
5-7	26	26	38	35	8"	0	BROWN WELL SORTED SAND, AND COBBLES WET LAYER AT 6.5'	
8-3"	Refu	sa) 5	et lilell				SET WELL	- B'0
Drilling M Total Well Groundwa PVC Eleva	Depth: iter Depth		SA 8 6.5				Riser Diameter:	2 Length: 5 2 Length: 3 Slot Size: 0/0 Elevation:

- 1. Split spoon soil samples are screened for organic vapors via headspace method using a Thermo Environmental Instruments Inc. Organic Vapor Meter Model 580B.
  - 2. ND indicates nondetectable contaminant concentrations as read by the OVM.
- 3. Samples are collected using a Split Spoon Sampler unless otherwise indicated.
- 4. Split Spoon Sampler has a 2" diameter and is driven using a 140 lb. hammer falling 30 inches.
- 5. HSA = Hollow Stem Auger, AR = Air Rotary

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### ERD ENVIRONMENTAL, INC. SOIL BORING/MONITORING WELL CONSTRUCTION LOG

Project #: 97030 Project Name: _ Location:AN Driller:T+U ERD Personnel: Boring/Well #:	HORSESHOE AER DOVER, UT DRILLING David Balk		At Must	SITE LOCUS  OFFICE  PLANTER O  MW-2 24" NAME  Light - Refusal  Steps  ORIVE	16' to LIGHT 9' to PLANTER 28' to 24"MAPLE
Depth 0-6	Blow Counts 6-12   12-18	Rec. (in.)	OVM (ppm)	Soil Characterization	As Built Diagram
0-2 -		- GRAB	0	DARK BROWN SILT, SAND AND COBBLES	20 RISER 25 3.0
5-7 16	50-3"	3"	0	BROWN WELL SORTED SAND, PEBBLES AND COBBLES	PACH SCREEN
10-12 24	2-6 24-5"	- 6"	0	BROWN WELL SORTED SAND, AND COBBLES WET	
13'-10" REFU	AL SET WEL			SET WELL	13'-/0"
					and the second s
	l/CA			Carana Diagraphy	2 Length: 10
Drilling Method: Total Well Depth: Groundwater Depth PVC Elevation:	HSA 13-10"			Screen Diameter: Riser Diameter: Ground	2 Length: 3'-10" Slot Size: 010 Elevation:

- 1. Split spoon soil samples are screened for organic vapors via headspace method using a Thermo Environmental Instruments Inc. Organic Vapor Meter Model 580B.
  - 2. NO indicates nondetectable contaminant concentrations as read by the OVM.
  - 3. Samples are collected using a Split Spoon Sampler unless otherwise indicated.
  - 4. Split Spoon Sampler has a 2" diameter and is driven using a 140 lb. hammer falling 30 inches.
  - 5. HSA = Hollow Stem Auger, AR = Air Rotary

### ERD ENVIRONMENTAL, INC. SOIL BORING/MONITORING WELL CONSTRUCTION LOG

Project #: 970305 Date: 5/7/97  Project Name: Horseshoe Acres  Location: Andover, VT  Driller: T+U ORILLING  ERD Personnel: David Balu  Boring/Well #: 3 Sheet 1 of 1				<u> </u>	·	SITE LOCUS  4 Refusals nt 4 to 4.5'  THANK PIT: 1 MW-3  OFFICE  HOUSE  NW-Zo DRIVE				
Depth	D-6	*Blow (	Counts 12-18	18-24	Rec. (in.)	OVM (ppm)	Soil Characterization	As Built Diagram		
0-2					GRAB	0	DARK BROWN SILT, SAND, AND COBBLES MEMBERS	2.0 SEAL RISER 2.5		
5-7	18	24	33	35	15	1.7 Russible Background	BROWNWELL SORTED SAND, AND COBBLES WET LAYER AT 6.0'	SAND - PACK - SCREEN		
10-12	35	39	47	38	20	1.2 Possible Background	BROWN WELL SORTED SAND, AND COBBLES - WET	11-0"		
Drilling M Total Well Groundwa PVC Eleva	Depth: iter Depth		SA Lo"				Riser Diameter:	Z Length: 7 Z Length: 4 Slot Size: 010 Elevation:		

- 1. Split spoon soil samples are screened for organic vapors via headspace method using a Thermo Environmental Instruments Inc. Organic Vapor Meter Model 580B.
  - 2. ND indicates nondetectable contaminant concentrations as read by the OVM.
  - 3. Samples are collected using a Split Spoon Sampler unless otherwise indicated.
  - 4. Split Spoon Sampler has a 2" diameter and is driven using a 140 lb. hammer falling 30 inches.
  - 5. HSA = Hollow Stem Auger, AR = Air Rotary

### ERD Environmental, Inc. SOIL BORING/MONITORING WELL CONSTRUCTION LOG

Project #: 970305 Date: 5/7/97  Project Name: Horseshoe Acres  Location: ANDWER, VT  Driller: Tt K DRILLING  ERD Personnel: David Balk  Boring/Well #: BORING Sheet \( \) of \( \)			AN-1.	THE DRIVE OFFICE		
Depth	######################################	Counts	Rec.	OVM (ppm)	Soil-Characterization	As Built Diagram
	0-6 6-12	12:16 18:2/	188 2 (111.7)	(PPI)		
					4 BORINGS ATTEMPTED	
		-		<u> </u>		
		<u> </u>				
			<u> </u>	<u> </u>		
				-		
					]	
				<b>-</b>		
Drilling M Total Wel Groundwa PVC Eleva	I Depth: _ ater Depth: _				Screen Diameter: Riser Diameter: Ground	

- 1. Split spoon soil samples are screened for organic vapors via headspace method using a Thermo Environmental instruments Inc. Organic Vapor Meter Model 580B.
- 2. ND indicates nondetectable contaminant concentrations as read by the OVM.
- 3. Samples are collected using a Split Spoon Sampler unless otherwise indicated.
- 4. Split Spoon Sampler has a 2" diameter and is driven using a 140 lb. hammer falling 30 inches.

  5. HSA Hollow Stem Auger, AR Air Rotary

1:45 - 2:45	Dw 2 35' Deap See other Side For Site	Utilifies Map
/		

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# APPENDIX C

**Laboratory Data Sheets and Chain of Custody Statement** 

### ALPHA ANALYTICAL LABORATORIES

# Eight Walkup Drive Westborough, Massachusetts 01581-1019 (508) 898-9220

RECEIVED JUN 1 8 1997

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

### CERTIFICATE OF ANALYSIS

Client: ERD Environmental, Inc.

Laboratory Job Number: L9704346

Address: 205 Main Street

Invoice Number: 5443

PO Box 1760

Brattleboro, VT 05302

Date Received: 05-JUN-97

Attn:

Mike Heidorn

Date Reported: 12-JUN-97

Project Number: 970305

Delivery Method: Alpha

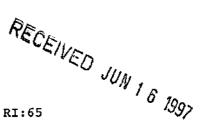
Site: Hoseshoe Acres

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9704346-01	MW1-6397-970305	Andover, VT
L9704346-02	MW2-6397-970305	Andover, VT
L9704346-03	MW3-6397-970305	Andover, VT
L9704346-04	DUPMW3-6397-970305	Andover, VT
L9704346-05	DW-6397-970305	Andover, VT
L9704346-06	MW01-6397-970305	Andover, VT

Authorized by: (

Scott McLean - Laboratory Director

06129712:38 Page 1



MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9704346-01

Date Collected: 03-JUN-97

MW1-6397-970305

Date Received: 05-JUN-97

Sample Matrix:

WATER

Date Reported : 12-JUN-97

Condition of Sample:

Satisfactory

Field Prep:

None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATES PREP ANALYSIS	ID
Aromatic Volatile Organics				1 8020	10-Jur	ı DB
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/1	1.0			
Xylenes	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	1.0			
1,3-Dichlorobenzene	ND	ug/l	1.0			
1,4-Dichlorobenzene	ND	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
Methyl tert butyl ether	ND	ug/l	1.0			
Naphthalene	ND	ug/l	1.0			

RECEIVED JUN 18 1897

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9704346-02

MW2-6397-970305

Date Collected: 03-JUN-97 Date Received: 05-JUN-97

Sample Matrix:

WATER

Date Reported: 12-JUN-97

Condition of Sample: Satisfactory

Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	 res Analysis	ID
Aromatic Volatile Organics	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	200 (8) (8) 441 (8) (8) (8)		. William Latin	8020	10-Jun	. DE
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Xylenes	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/1	1.0				
Chlorobenzene	ND	ug/l	1.0				
Methyl tert butyl ether	ND	ug/l	1.0				
Naphthalene	ND	ug/l	1.0				



MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9704346-03

MW3-6397-970305

Date Collected: 03-JUN-97

Sample Matrix:

Date Received: 05-JUN-97

WATER

Date Reported: 12-JUN-97

Condition of Sample:

Satisfactory

Field Prep:

None

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	IĐ
Aromatic Volatile Organics				1 -77	8020		DB
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Xylenes	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ИD	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Methyl tert butyl ether	ND	ug/1	1.0				
Naphthalene	ND	ug/l	1.0				



MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9704346-04

DUPMW3-6397-970305

Date Collected: 03-JUN-97

Sample Matrix:

WATER

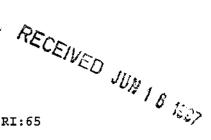
Date Received: 05-JUN-97 Date Reported: 12-JUN-97

Condition of Sample: Satisfactory

Field Prep:

None

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES 1 PREP ANALYSIS
Aromatic Volatile Organics	Experience	e regress of		1	: 802 <sup>0</sup>	
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Xylenes	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	1.0			
1,3-Dichlorobenzene	ND	ug/l	1.0			
1,4-Dichlorobenzene	ND	ug/l	1.0			
Chlorobenzene	ND	ug/l	1.0			
Methyl tert butyl ether	ND	ug/l	1.0			
Naphthalene	ND	ug/l	1.0			



MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9704346-05

DW-6397-970305

Date Collected: 03-JUN-97
Date Received: 05-JUN-97

Sample Matrix:

WATER

Date Reported: 12-JUN-97

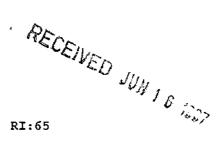
Condition of Sample:

Satisfactory

Field Prep:

None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATES ID PREP ANALYSIS
Aromatic Volatile Organics		judan jarih		1 8,020	**************************************
Benzene	ND	ug/l	1.0		
Toluene	ND	ug/l	1.0		
Ethylbenzene	ND .	ug/l	1.0		
Xylenes	ND	ug/l	1.0		
1,2-Dichlorobenzene	ND	ug/l	1.0		•
1,3-Dichlorobenzene	ND	ug/l	1.0		
1,4-Dichlorobenzene	ND	ug/l	1.0		
Chlorobenzene	ND	ug/l	1.0		
Methyl tert butyl ether	ND	ug/l	1.0		
Naphthalene	ND	ug/l	1.0		



MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9704346-06

MW01-6397-970305

Date Collected: 03-JUN-97 Date Received: 05-JUN-97

Sample Matrix:

WATER

Date Reported: 12-JUN-97

Condition of Sample:

Satisfactory

Field Prep:

None

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
Aromatic Volatile Organics		1			8020	hala a na 10-Jun	. DB
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/1	1.0				
Ethylbenzene	ND	uq/l	1.0				
Xylenes	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	1.0				
1,3-Dichlorobenzene	ND	ug/l	1.0				
1,4-Dichlorobenzene	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Methyl tert butyl ether	ND	ug/l	1.0				
Naphthalene	ND	ug/l	1.0				

# ALPHA ANALYTICAL LABORATORIES QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

RECEIVED JUNI 18 1837

Laboratory Job Number: L9704346

Parameter	MS %	MSD %	RPD
Volatile Organics Spike	Recovery by GC	MS/MSD for	sample(s) 01-06
1,1-Dichloroethene	130	132	2
Trichloroethene	106	108	2
Chlorobenzene	130	124	5
Benzene	116	114	2
Toluene	117	117	0
Ethylbenzene	117	115	2

06129712:38 Page 8

# ALPHA ANALYTICAL LABORATORIES ADDENDUM I

RECEIVED JUNI 16 1397

### REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. 1986.

### GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.

METHOD Method number by which analysis was performed.

ID Initials of the analyst.

### LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

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Analytical	Laboratorio	es, Inc.		8-9220					919	3	;	and	AN	ALYSI	S RJ	EQU	JES7	ΓRE	ECOF	RD	Sheet _1	_of	
Company Name: E(A) Er	(VIRONNEL)	141, larc	ŀ	ct Number: Number:		030 5/6					•	Hor		EF, V				Date	Received	in Lab:	Date Due	4/12	1
Company Address:	P.O. BOY 1760 LOS MAINS BRATTLEBO	Υ.	<del></del>	(8 8)	one No るつ) AX No	umber: 254	· つ			-	Proje	ect Ma	nager :	Heri		>		Alpha		(7 # .) .	use only)		
ALPHA			A=Ambe	: V = Vial G = Glass r Glass ris Container	Matrix / Source	( aun	iber (		ntain	ers)	드	Sar	molina	MW = Mor L = Lak R = Bive	nitoring :e/Pond/ er Strea	Well Ocean m	i = 1: S = S	Runoff offuent Soil :	O = Out E = Efflu SG = Slud	ent DW Ige E	/ = Well L { / = Drinking } } = Bottom S	Water	
Lab# (Lab Use Only)	Sample	I.D.		tainers er/type)	Matri	Unpres.	3 3	Sulfuric	H C.	Other	qnlox	Date	mpling e Time	X1 = Oth	er T(L	15 12			is Re	Other_	ted		
	MW1-638	7970305	<del>  `                                     </del>		m.				×				M 405		シンク		- 1 11	iaiyo.		4400			1
2	MW2.634	7.970305						Γ					4.10		1								7
3	MW3.6397	1-970305					T						414			•			•				7
<u>,</u> 4	DUFMW3 63	97970305											m'ez									NC	
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APPENDIX D

**Groundwater Potentiometric Map** 

